

1. A method of treating lymphoma in a human, which comprises administering a therapeutically effective amount of one or more arsenic compounds to said human.
2. The method of claim 1, wherein said arsenic compound is arsenic trioxide.
3. The method of claim 2, wherein said arsenic trioxide is formulated as an ionic aqueous solution.
4. The method of claim 1, wherein the total daily amount administered is from about 10 μg to about 200 mg.
5. The method of claim 1, wherein the total daily amount administered is from about 0.5 mg to about 150 mg.
6. The method of claim 1, wherein the total daily amount administered is from about 0.5 mg to about 70 mg.
7. The method of claim 1, wherein the arsenic compound is administered parenterally.
8. The method of claim 1, wherein the arsenic compound is administered intravenously.
9. The method of claim 1, wherein the arsenic compound is administered in combination with an effective amount of at least one other therapeutic.
10. The method of claim 9, wherein the other therapeutic agent is a chemotherapeutic or radiotherapeutic.
11. The method of claim 9, wherein the other therapeutic agent is selected from the group consisting of etoposide, cisplatin, carboplatin, estramustine phosphate, vinblastine, methotrexate, hydroxyurea, cyclophosphamide, doxorubicin, 5-fluorouracil, taxol, diethylstilbestrol, VM-26(vumon), BCNU, all-trans retinoic acid, procarbazine, cytokines, therapeutic vaccines, and immunomodulators.
12. The method of claim 2, wherein the dose is varied according to the body weight of said human.
13. The method of claim 1, wherein the lymphoma is Hodgkins lymphoma.
14. The method of claim 1, wherein the lymphoma is non-Hodgkin's lymphoma.
15. The method of claim 1, wherein the lymphoma is follicular lymphoma.
16. The method of claim 1, wherein the lymphoma is diffuse lymphoma.
17. The method of claim 1, wherein the lymphoma is lymphoblastic lymphoma.
18. The method of claim 1, wherein the lymphoma is large cell lymphoma.

19. The method of claim 1, wherein the lymphoma is small lymphocytic lymphoma.

20. The method of claim 1, wherein the lymphoma is HIV-related non-Hodgkin's lymphoma.